

# UNIVERSITY OF LONDON



## POSTGRADUATE MEDICAL SCHOOL OF LONDON

Telegrams  
POSTGRADMED CHISK LONDON

Telephone  
SHEphards Bush 1260 (4 lines)

Department of Bacteriology.

DUCANE ROAD  
LONDON, W.12

31st December, 1951.

Dear Dr. Lederberg,

Thank you very much indeed for the Bact. coli K.12 cultures which you sent me and which arrived safely just before Christmas. Thanks also for your interesting and informative letter of the 7th December. I will certainly send you reprints of my letter to 'Nature' and of a detailed publication of my work, which I am writing up at the moment.

I was particularly interested to learn that <sup>lambda</sup>~~Lambda~~ phage infects Cavalli's culture N.T.C.C. - 123.

The only work I have more or less cleared up since I last wrote to you has been on the effect of small doses of U.V. on 58-161. The conditions of irradiation and subsequent incubation in broth for maximum enhancement of recombination of this mutant with W 677 appears to be very similar indeed to the conditions reported by Lwoff and others, as well as by Weigle and Delbrück, for the optimum liberations of symbiotic phage. I would not go so far as to say that the gamete in K.12 recombination is a phage but it certainly appears to behave in much the same way in many respects.

Should I get any further interesting results I will certainly let you know.

With best wishes for the New Year,

Yours sincerely,

Dr. W. Hayes.

A handwritten signature in cursive script that reads "William Hayes".